Boring Log: SB-100

Project: Nu-West Industries, Inc.
Project No.: 00023229.00
Location: Soda Springs, ID
Completion Date: September 11, 2012

Surface Elevation (feet AMSL*): Not Determ
Total Depth (feet): 9
Borehole Diameter (inches): 2

**AMSL = Above mean sea level*

Sample Data				Subsurface Profile	
Depth	Sample/Interval	Gamma Radiation (mR/hr)	% Recovery	Lithology	Description
					Ground Surface
	1		100		***Silt with Sand (ML)*** Very dark brown (7.5YR 3/2) silt some very fine grained sand dry to slightly moist
5					***Silt (ML)*** Light greenish gray (Gley 1 7/1) silt moist
			100		***Silt (ML)*** Very dark brown (7.5YR 3/2) silt moist
10					***Silt (ML)*** Light greenish gray (Gley 1 7/1) silt moist partially lithified refusal at 9 feet bgs
					Bottom of Boring at 9 feet Backfilled borehole with bentonite
15					
20					
25					
30					

Geologist(s): Laura M. Tobin
Subcontractor: Earth Probe
Driller/Operator: Pat Casey
Method: Direct Push

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Boring Log: SB-101

Project: Nu-West Industries, Inc.
Project No.: 00023229.00
Location: Soda Springs, ID
Completion Date: September 11, 2012

Surface Elevation (feet AMSL*): Not Determ
Total Depth (feet): 10
Borehole Diameter (inches): 2

**AMSL = Above mean sea level*

Sample Data				Subsurface Profile	
Depth	Sample/Interval	Gamma Radiation (mR/hr)	% Recovery	Lithology	Description
					Ground Surface
	1		100		***Sandy Silt with Gravel (ML)*** Dark brown (7.5YR 2.5/3) sandy silt with gravel dry
5					***Silt with Sand (ML)*** Brown (7.5YR 4/2) silt with very fine grained sand moist
	2		100		***Silt (ML)*** Very dark brown (7.5YR 3/2) silt slightly moist
10					***Silt (ML)*** White (Gley 1 8/1) to Light greenish gray (Gley 1 7/1) silt partially lithified at 10 feet bgs refusal at 10 feet bgs
					Bottom of Boring at 10 feet Backfilled borehole with bentonite
15					
20					
25					
30					

Geologist(s): Laura M. Tobin
Subcontractor: Earth Probe
Driller/Operator: Pat Casey
Method: Direct Push

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Boring Log: SB-88

Project: Nu-West Industries, Inc.
Project No.: 00023229.00
Location: Soda Springs, ID
Completion Date: September 11, 2012

Surface Elevation (feet AMSL*): Not Determ
Total Depth (feet): 11
Borehole Diameter (inches): 2

**AMSL = Above mean sea level*

Sample Data				Subsurface Profile	
Depth	Sample/Interval	Gamma Radiation (mR/hr)	% Recovery	Lithology	Description
					Ground Surface
	1		100		***Silt with Sand (ML)*** Dark reddish brown (7.5YR 4/2) silt some fine grained sand loose dry
5	2		100		***Silty Sand (SM)*** Light greenish gray (Gley 7/1) silty sand fine grained well sorted moist
10	3		100		***Silt with Sand (ML)*** Brown (7.5YR 5/3) silt occassional fine grained sand dense dry resfusal at 11 feet on rock
					Bottom of Boring at 11 feet Backfilled borehole with bentonite
15					
20					
25					
30					

Geologist(s): Laura M. Tobin
Subcontractor: Earth Probe
Driller/Operator: Pat Casey
Method: Direct Push

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Boring Log: SB-89

Project: Nu-West Industries, Inc.
Project No.: 00023229.00
Location: Soda Springs, ID
Completion Date: September 10, 2012

Surface Elevation (feet AMSL*): Not Determ
Total Depth (feet): 1
Borehole Diameter (inches): 2

**AMSL = Above mean sea level*

Sample Data				Subsurface Profile	
Depth	Sample/Interval	Gamma Radiation (mR/hr)	% Recovery	Lithology	Description
					Ground Surface
	1		-		***Silty Gravel with Sand (GM)*** Brown (7.5YR 5/2) silty gravel with sand fine grained sand subangular gravel loose dry to slightly moist
5					Bottom of Boring at 1 feet Hand augered Backfilled borehole with bentonite
10					
15					
20					
25					
30					

Geologist(s): Laura M. Tobin
Subcontractor: Earth Probe
Driller/Operator: Pat Casey
Method:

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Boring Log: SB-90

Project: Nu-West Industries, Inc.
Project No.: 00023229.00
Location: Soda Springs, ID
Completion Date: September 11, 2012

Surface Elevation (feet AMSL*): Not Determ
Total Depth (feet): 15
Borehole Diameter (inches): 2

**AMSL = Above mean sea level*

Sample Data				Subsurface Profile	
Depth	Sample/Interval	Gamma Radiation (mR/hr)	% Recovery	Lithology	Description
					Ground Surface
	1		100		***Silt with Sand (ML)*** Gray (7.5YR 5/1) silt with sand fine grained loose moist
5	2		100		***Silt with Sand (ML)*** Pale green (Gley 1 7/2) silt with sand fine grained loose moist
10	3		100		***Silt (ML)*** Dark brown (7.5YR 3/2) silt some minor amount of fine grained sand slightly moist to very moist at 8 feet bgs
15					***Gravelly Silt with Sand (ML)*** Dark brown (7.5YR 3/2) gravelly silt with sand abundant fine grained sand and pebbles loose dry refusal at 15 feet bgs
					Bottom of Boring at 15 feet Backfilled borehole with bentonite
20					
25					
30					

Geologist(s): Laura M. Tobin
Subcontractor: Earth Probe
Driller/Operator: Pat Casey
Method: Direct Push

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Boring Log: SB-91

Project: Nu-West Industries, Inc.
Project No.: 00023229.00
Location: Soda Springs, ID
Completion Date: September 11, 2012

Surface Elevation (feet AMSL*): Not Determ
Total Depth (feet): 15
Borehole Diameter (inches): 2

*AMSL = Above mean sea level

Sample Data				Subsurface Profile	
Depth	Sample/Interval	Gamma Radiation (mR/hr)	% Recovery	Lithology	Description
					Ground Surface
	1		100		***Silt with Sand (ML)*** Gray (7.5YR 5/1) silt with sand fine grained loose moist
5	2		100		***Silt with Sand (ML)*** Pale green (Gley 1 7/2) silt with sand fine grained loose moist
10	3		100		***Silt (ML)*** Dark brown (7.5YR 3/2) silt some minor amount of fine grained sand crumbly slightly moist
15					***Silt with Sand (ML)*** Dark brown (7.5YR 3/2) silt with abundant fine grained sand and pebbles loose dry refusal at 15 feet bgs
					Bottom of Boring at 15 feet Backfilled borehole with bentonite
20					
25					
30					

Geologist(s): Laura M. Tobin
Subcontractor: Earth Probe
Driller/Operator: Pat Casey
Method: Direct Push

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Boring Log: SB-92

Project: Nu-West Industries, Inc.
Project No.: 00023229.00
Location: Soda Springs, ID
Completion Date: September 11, 2012

Surface Elevation (feet AMSL*): Not Determ
Total Depth (feet): 25
Borehole Diameter (inches): 2

*AMSL = Above mean sea level

Sample Data				Subsurface Profile	
Depth	Sample/Interval	Gamma Radiation (mR/hr)	% Recovery	Lithology	Description
					Ground Surface
	1		100		***Silt with Sand (ML)*** Gray (7.5YR 5/1) silt with sand moist
					Silt with Sand (ML) Dark greenish gray (Gley 2 3/1) and pale green (Gley 1 7/2) silt with sand moist
5	2		100		***Silt (ML)*** Brown (7.5YR 5/2) silt uniform dense moist
10	3		100		
15	4		100		***Lean Clay (CL)*** Brown (7.5YR 4/4) clay lean stiff dry
20	5		100		
25					***Lean Clay with Gravel (CL)*** Brown (7.5YR4/4) clay with weathered basalt gravel dry refusal at 25 feet bgs on basalt Bottom of Boring at 25 feet Backfilled borehole with bentonite
30					

Geologist(s): Laura M. Tobin
Subcontractor: Earth Probe
Driller/Operator: Pat Casey
Method: Direct Push

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Boring Log: SB-93

Project: Nu-West Industries, Inc.
Project No.: 00023229.00
Location: Soda Springs, ID
Completion Date: September 11, 2012

Surface Elevation (feet AMSL*): Not Determ
Total Depth (feet): 22
Borehole Diameter (inches): 2

**AMSL = Above mean sea level*

Sample Data				Subsurface Profile	
Depth	Sample/Interval	Gamma Radiation (mR/hr)	% Recovery	Lithology	Description
					Ground Surface
	1		100		***Silt with Sand (ML)*** Dark gray (7.5YR 4/1) silt some very fine grained sand dense slightly moist
5	2		100		
10	3		100		
15	4		100		***Lean Clay (CL)*** Brown (7.5YR 4/4) clay lean extremely stiff moist refusal at 22 feet on basalt
20	5		100		
25					Bottom of Boring at 22 feet Backfilled borehole with bentonite
30					

Geologist(s): Laura M. Tobin
Subcontractor: Earth Probe
Driller/Operator: Pat Casey
Method: Direct Push

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Boring Log: SB-94

Project: Nu-West Industries, Inc.
Project No.: 00023229.00
Location: Soda Springs, ID
Completion Date: September 11, 2012

Surface Elevation (feet AMSL*): Not Determ
Total Depth (feet): 22
Borehole Diameter (inches): 2

**AMSL = Above mean sea level*

Sample Data				Subsurface Profile	
Depth	Sample/Interval	Gamma Radiation (mR/hr)	% Recovery	Lithology	Description
					Ground Surface
	1		80		***Silt with Sand (ML)*** Gray (7.5YR 51) silt with sand fine grained loose moist
5	2		100		***Silt with Sand (ML)*** Pale green (Gley 1 7/2) silt with sand fine grained loose moist
10	3		100		***Silt (ML)*** Dark brown (7.5YR 3/2) silt some minor amount of fine grained sand dense dry
15	4		100		***Lean Clay (CL)*** Brown (7.5YR 4/4) clay lean stiff dry weathered basalt fragments encountered below 20 feet bgs refusal at 22 feet bgs on basalt
20	5		100		
25					Bottom of Boring at 22 feet Backfilled borehole with bentonite
30					

Geologist(s): Laura M. Tobin
Subcontractor: Earth Probe
Driller/Operator: Pat Casey
Method: Direct Push

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Boring Log: SB-95

Project: Nu-West Industries, Inc.
Project No.: 00023229.00
Location: Soda Springs, ID
Completion Date: September 10, 2012

Surface Elevation (feet AMSL*): Not Determ
Total Depth (feet): 3
Borehole Diameter (inches): 2

**AMSL = Above mean sea level*

Sample Data				Subsurface Profile	
Depth	Sample/Interval	Gamma Radiation (mR/hr)	% Recovery	Lithology	Description
					Ground Surface
	1		-		***Silty Gravel with Sand (GM)***
	2		-		Dark brown (7.5YR 3/2) silty gravel with sand
	3		-		fine grained sand
					subangular gravel
					fill material
					very loose
5					dry
					Bottom of Boring at 3 feet
					Hand augered
					Backfilled borehole with bentonite
10					
15					
20					
25					
30					

Geologist(s): Laura M. Tobin
Subcontractor: Earth Probe
Driller/Operator: Pat Casey
Method:

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Boring Log: SB-96

Project: Nu-West Industries, Inc.
Project No.: 00023229.00
Location: Soda Springs, ID
Completion Date: September 10, 2012

Surface Elevation (feet AMSL*): Not Determ
Total Depth (feet): 18
Borehole Diameter (inches): 2

**AMSL = Above mean sea level*

Sample Data				Subsurface Profile	
Depth	Sample/Interval	Gamma Radiation (mR/hr)	% Recovery	Lithology	Description
					Ground Surface
	1		75		***Silty Gravel (GM)*** Light gray (Gley 7/1) silt and gravel loose dry
5	2		80		***Silty Gravel (GM)*** Light reddish brown (5YR 6/3) silt and gravel loose dry
					Silty Gravel (GM) Light gray (10YR 7/1) silt and gravel loose dry
10	3		100		***Well-Graded Sand (SW)*** Light gray (10YR 7/1) sand fine grained well sorted loose saturated at 6 feet bgs refusal at 18 feet on basalt
15	4		100		
20					Bottom of Boring at 18 feet Backfilled borehole with bentonite
25					
30					

Geologist(s): Laura M. Tobin
Subcontractor: Earth Probe
Driller/Operator: Pat Casey
Method: Direct Push

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Boring Log: SB-97

Project: Nu-West Industries, Inc.
Project No.: 00023229.00
Location: Soda Springs, ID
Completion Date: September 11, 2012

Surface Elevation (feet AMSL*): Not Determ
Total Depth (feet): 5
Borehole Diameter (inches): 2

**AMSL = Above mean sea level*

Sample Data				Subsurface Profile	
Depth	Sample/Interval	Gamma Radiation (mR/hr)	% Recovery	Lithology	Description
					Ground Surface
	1		100		***Silt with Sand (ML)*** Gray (7.5YR 5/1) silt with very fine grained sand loose dry
5					***Silt (ML)*** Very dark brown (7.5YR 3/2) silt moist Bottom of Boring at 5 feet Backfilled borehole with bentonite
10					
15					
20					
25					
30					

Geologist(s): Laura M. Tobin
Subcontractor: Earth Probe
Driller/Operator: Pat Casey
Method: Direct Push

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Boring Log: SB-98

Project: Nu-West Industries, Inc.
Project No.: 00023229.00
Location: Soda Springs, ID
Completion Date: September 11, 2012

Surface Elevation (feet AMSL*): Not Determ
Total Depth (feet): 5
Borehole Diameter (inches): 2

**AMSL = Above mean sea level*

Sample Data				Subsurface Profile	
Depth	Sample/Interval	Gamma Radiation (mR/hr)	% Recovery	Lithology	Description
					Ground Surface
					Poorly-Graded Gravel (GP) Dark brown gravel fill dry
5					***Silt with Sand (ML)*** Reddish brown (5YR 4/3) silt loose dry
10					***Silt (ML)*** Very dark brown (7.5YR 3/2) silt mottled with greensih gray (Gley 1 7/1) moist
15					Bottom of Boring at 5 feet Backfilled borehole with bentonite
20					
25					
30					

Geologist(s): Laura M. Tobin
Subcontractor: Earth Probe
Driller/Operator: Pat Casey
Method: Direct Push

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Boring Log: SB-99

Project: Nu-West Industries, Inc.
Project No.: 00023229.00
Location: Soda Springs, ID
Completion Date: September 11, 2012

Surface Elevation (feet AMSL*): Not Determ
Total Depth (feet): 9
Borehole Diameter (inches): 2

*AMSL = Above mean sea level

Sample Data				Subsurface Profile	
Depth	Sample/Interval	Gamma Radiation (mR/hr)	% Recovery	Lithology	Description
					Ground Surface
	1		100		***Silt with Sand (ML)*** Very dark brown (7.5YR 3/2) silt some very fine grained sand dry to slightly moist
5			100		***Silt (ML)*** Light greenish gray (Gley 1 7/1) silt moist
					Silt (ML) Very dark brown (7.5YR 3/2) silt moist
10					***Silt (ML)*** Light greenish gray (Gley 1 7/1) silt moist partially lithified refusal at 9 feet bgs
					Bottom of Boring at 9 feet Backfilled borehole with bentonite
15					
20					
25					
30					

Geologist(s): Laura M. Tobin
Subcontractor: Earth Probe
Driller/Operator: Pat Casey
Method: Direct Push

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